

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Ralph D. Edson et al.

Application Number: Filed herewith

Examiner

(for parent):

Filed:

Art Unit:

For: **DAMPING FOR ELECTROMECHANICAL ACTUATORS**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir or Madam:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, disclosure is made of the known related art listed in the accompanying Information Disclosure Citation, Form PTO-1449. Any marks made upon submitted copies of such listed art should not be interpreted as emphasizing or indicating as relevant portions of such marked related art. Often, such marks are made on the original documents by unknown third parties and so are not applicable to the present invention.

No admission is being made that these documents are prior art, and Applicant reserves the right to challenge any such conclusion.

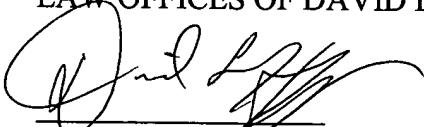
TIMELINESS

This information disclosure is being timely filed before the later of three months from the filing date of this application or before the mailing of a first official action.

Should there be any remaining or further questions, the Examiner is requested to please contact the undersigned directly. It is not believed that any additional fees are due. However, in the event additional fees are due, the Examiner is hereby authorized to charge the enclosed credit card authorization for any deficiency, or credit it for any excess payment.

Respectfully submitted,

LAW OFFICES OF DAVID L. HOFFMAN



David L. Hoffman
Reg. No. 32,469

Date: **March 9, 2004**

Enclosure

PTO 1449 Form w/cited references

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet

1 of 2

Application Number	Not yet assigned
Filing Date	Even date herewith
First Named Inventor	Ralph D. Edson
Art Unit	
Examiner Name	
Attorney Docket Number	03-10092

U. S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
1	US-	4,267,496	05-12-1981	Ivanov et al.
2	US-	4,313,364	02-02-1982	Blincoe et al.
3	US-	5,650,704	07-22-1997	Pratt et al.
4	US-	5,894,862	04-20-1999	Ogilvie
5	US-	6,003,481	12-21-1999	Pischinger et al.
6	US-	6,034,493	03-07-2000	Boyd et al.
7	US-	6,279,524 B1	08-28-2001	Schebitz
8	US-	6,247,687 B1	06-19-2001	Jensen et al.
9	US-	6,290,038 B1	09-18-2001	Jensen et al.
10	US-	6,373,207 B1	04-16-2002	Yablonovitch
11	US-	2002/0088678 A1	07-11-2002	Ruckman et al.
	US-			

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)		

Examiner Signature	Date Considered

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

2

of

2

Complete if Known

Application Number	Not yet assigned
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First Named Inventor	Ralph D. Edson
Art Unit	
Examiner Name	
Attorney Docket Number	03-10092

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	12	HR TEXTRON, Airforce-Technology.com, Advanced EMA Controls, Precision Strike, WInning in the Air, 4 pages, printed on December 10, 2003	
	13	DAVID W. ROBINSON and GILL A. PRATT, Force Controllable Hydro-Elastic Actuator, MIT Leg Laboratory, 7 pages, Cambridge, MA	
	14	GILL A. PRATT and MATTHEW M. WILLIAMSON, Series Elastic Actuators, MIT Artificial Intelligence Laboratory and Laboratory for Computer Science, pages 399-406, 4/1995	
	15	MICHAEL ZINN, OUSSAMA KHATIB, BERNARD ROTH and J. KINNETH SALISBURY, Actuation Methods For Human-Centered Robotics and Associated Control Challenges, 16 pages	

Examiner Signature	Date Considered
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